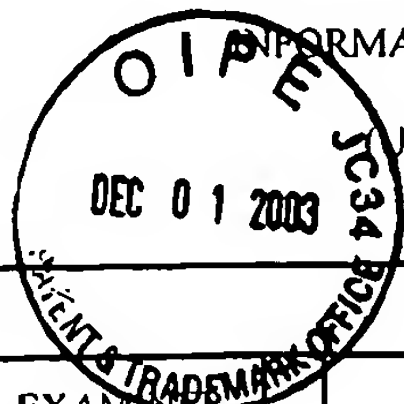


Form PTO-1449

U.S. Department of Commerce
Patent and Trademark OfficeAtty. Docket No.
P23759Serial No.
10/644,799INFORMATION DISCLOSURE STATEMENT
BY APPLICANT

(Use several sheets if necessary)

Applicant
Ken HIRUNUMA et al.Filing Date
August 21, 2003Group
2872

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
JP	4 0 6 7 0 2 7	01/03/78	YAMAZAKI			
JP	6 0 8 8 0 5 3	07/11/00	HAMMACK et al.			
JP 2001	1 0 0 2 8 4 9 8	10/11/01	HAGA et al.			

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
JP	0 1 / 5 2 5 3 1	07/19/01	W.I.P.O.			
JP	3 6 - 1 2 3 8 7	08/02/61	JAPAN			X
JP	6 - 2 3 3 0	01/14/94	JAPAN			X
JP 200	1 - 2 8 1 5 5 5	10/10/01	JAPAN			X

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER

John A. Pritchett

DATE CONSIDERED

12/1/04

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

